## ETNCLIE NEWE

Binclair Computer Users Society<br>1229 Rhoden Rd

Johnson City, New York 13790

November meet- due to lousy weather, attendance was light. I went to a computer ghow over at the NYBELS Building- hould have mtayed at the meet, FCe and PC cionem- ach.
December met- we seu Don Lamen's "Masp"- $T 81000$ machine hexadecimal aseambly program (several hundred hours in the making). Uning a 16K NM pac, he squesed a 2299 byte orogram above RAMTCP that does the following and moresromumer, disamsembly, catalog tapes, basic, blockilisit, ReaN ant, memory free, and mort. Uning a aort progrm he copied from 7X Comouting, he loaded "gort" (see Ifeting below) in the T81000 with "Hace" abovo the RAMTDP and proceeded to go thru all the functions of hile prograin. Woat of the progran is user friendly with all inputs in hexadecimal. If interested in the program contact Bon Lamen, at next meet or wite him, RDMS, Dox 3404, Hindmor NY 13036

Wes Brzozowski gave ahort talk on the "Undocumented z-60 Instruction set". If you look in the back of your user manual, under codes, look for after CP, wtarts an page 269 . On page 240, near the bottom of the page, and top of the next, you'll see a gep in the instructions, due to a bug in the processor, you will fill with l's instead of 0 if one calls sll b.

Bary Ennis demoed "Ecrabble", a Epectrum program, using a componite color monitor. The gam has a 16000 word dictionary, but if you use a word not in it, the computer will trustingly ank you if it really a word. Why, yes, murt by golly! A very decent program, if you like Scrabble (the board game), you'll enjoy "Ecrabble". Gary picked it up from a software house in England, and just recently got around to enjoying it.

John Colonna and mymelf tried to direct connect two 2063s via the 2000 modems. Not being too gur that would happen, John was a Iittle nervous mbent watching for smoke, so mo just closed his ayos and prayed. It worked, we had one aonitor between us, so we went so hall duplex, and one machine typed on the screen, ENTER and then the sacond typed on the next line. We wer trying this to be abie to demo modems at the noxt meet. While it may not have setmed impressive, right may mome sau the ponsibilities for "looking" at unbreakable woftware. After nome time using this procedure via Me Bell's phone lines John and I hope to show up and dow loading between 2068. and tranmmeaien of datap programa and picturem.

A second suap tape was received from the Cieveland TEus and it "hopefuliy" will be returned with fev of our home made effortw-w cannot expect to keep getting unleas. w. give, so come on send in your copled frow mapazine, newletter or home made programe. Bive REM statement credit where dus, please. Send me your efforts on a 90 mimute tape, and I'II aend a mix of 2068 and Bpectru* programa. Include any documentation in RES statemonter... Mo copyrighted commercial programs thank you.

Via Dave Schoonuetter and John Colonnap we have a copy of whe Buide to T/8 Telecommications" by Pete Fither and Bteve Ichii, Pos 2002, Temple, AZ 85281 inite for a copy. Enclose a couple bucke for the photocopy edition or 6 for the deluxe edition, and your eddresin. We'll attempt to carry some of this 'fanastic' doc. In this and next couple ismues. BET a nodem- Iearn to use it and have a ball! These guys deserve a very large round of applause for thelr efforts and should be recognized for their offorti, Thanks Pete and Steve

We are starting to map with the Dallan T/8 Ametrad User: Broup, this bringe to 26 the number of swaps we maintain. Hello and welcome to new membersi Jemes Wilson; Akron OHf Dane Stegany, Akron, NY; Uroube Wililam, Jr, Germany; Malter Hayes, Parma, DHy Bob Welburn, Lake Worth. FLi Berhard Meyer, Dceanside, NY; Robert Lowe, Arlington, MAg Marinus Heuseveldt, Lantana, FL; and Lowell Hoine, Minneapolis, MW, Laurie Futrell, Tucker EA and Robert Lowe, Arlington, VA; thank you for your membership and we look forward to HEARing from you all-w need articiesm-witm-roview say hi-sell something-look for something!

Newsivia Computer Enopper and E. Arthur Brown....I did not pay a bunch of attention the first time I rend the ad for 'PC Pictancen Eraphics Orabber', page 5, Eli of Broun's latent catalog until lsaw it in Computer Shopger-Jan'g7 iseut. This iftio device is the brainchild of Orrin HcBill the inventor of the MRY-RE2 64K RAM for the r81000, monitor conversion kits for the T82068, and the 6502 Crose assembler for the $781000 / 2068$ and other programm. The $\$ 149$ device rides on the printer head of apson printer, and reade photo or document you have on the printer platten. The data goes back to the PC. This Iittle idea could lead to greater and better thinge for the 2069-yes/no? E. A. Brown Co, 3404 Pamee Dr., Alexandrit, wiw 5630e telei612-762-8947

NEWi Received this rather cryptic meseage and if it maken any eenme to you, good' Model Rockete 81-1 Model 31-F1 Computera* contact!

Computer SIBS SLC. Dennis Bishop
Atari, Apple 1647 Lilac Rd.
$\mathrm{C}=$, Timex/8inclair Ramona, CA 92065
BBS Network
Starnet- 24 HRs. STMRNET-02 519-562-0150 619-447-3448
gTELLAR HINDS NEMELETTER YEARLY DUEB 02.00
REVIEMEs Artworx 1.1", by NovelBoft. Ariel S. Frailich and David C. Ridge. 106 8aventh Street; Torontor Ontario Canada, brought thru E. A. Brown see addrews above, for 19.95 plut mith.

Vou get your monies worth with this progran! First a caneette with a Epectrum version on one side and the Tg20se on the other. In addition to Artwork 1. I, there is ARTGMLERY and Itve emmpl ts of art to be loaded into ARTEMLIERY, to give you something to work uith and learn how to use it. And second, very vill witten documentation, as user friendly as it is, you etill should read the instructions.

I had two problems, one the orginial cassette is hard to load - apparantly a individual problew as other user have not had this problem. Two. very touchy joyaticic, in some modes, ZODM and coloring the paper. I was in the man more than I was out. But again. an individual problem not noticed by othere. I'Il try a new joyetick, and if Bantee was nice, socner than later. CSunte wes, it does meke bif difierence for the betterl The miggented poke for not so touchy rexponte was so sluggith as to be neter impoasibie to get out of the mode and back to the manu.

Being used to the Orginial Artworx there was alt of getting used to the new. I al sil and still do the x,y coordinates at the lower left of ecrem. I Iike the new bypesetting arrangement, but have yot to get uetd to the prowing circit. Erase is different, and EETTER -if you can oet exactiy the shape you misdrew-you can erase arcs and ovels, and with ZODN you can erame EaxCTLY what you want' UNDO is great, orase last since eemu. RAY is different than I remember it and I think better. FILL is FAST. COPY-BIO-gMAL similiar as before, but BIE acts strange - i get ABMRT message some times but not othertimes. with no reason apparent. The BEST and Worec is the two click on the fire button (on joysticle) to get menu. I think fire button on top of the stick if the oetter design, other wise, two hands and all thumbs gets the menu when 1 didnt want it. But it is 600D fenture. I A joystick with fire button on top of bande wes delivered on 12-25 and all mound improvement was moted j In part of having used both the versions of Artworx, I eventually came up with the idea. intergrated modul me softrare, to be able to aix and match the best of each.

Having talked with others who used both. and in spite of negative opinions of the worth of paying twice for both, I went ahead and got verision 1.1. I'm glad I did. (see art
work on the $2 x-79$ ) Thi wan done with Artwork and Artworx 1.1, and with *Paint", which 1 copied out of the Las Vegas TSUG Neweletter. March, and modilied slightly. One can also employ other "art" programs on one screen. IF I had disc; l'd have every graphice prope on disc, and madly switch back and forth using the bast of each to produce a piece of 'art'.

VIEWB; I have an idea and no time to go anywhere with it- now with more and more hooking up disc drives to the 2068, is there software that is. DOE ? Menu driven software, that loads functions and flles into the RMM to be used, then new data is witten back to diec? Is there any software that is intergrated and or modular? Cen graphics progrea be built around a basic frame work, and then the user adds and eubtracts various functiona. gay the menu offers, three shedes to paint with and 5 type styles to add text with. Your needs call for no painting and 8 typestyles, couldn't thero exst at a way to comercially modify the program, to tape and disc alike, so you could and up with anable program, and the capacity to change. All the different graphice programs on the market have coupl. oright ideas, and lack that one or two iteme, that cause you to buy another, and awiteh screant back and forth. Buy one, and select iro a catalog one or more option packaget to be added on at the store or at home. Game programs could have several ievels ano platemus of difficulty, and on getting the 'secret" ansuer of lovel begets you the priviladge of buying level two, and ad nausea. Anyway this oete the grogramer to think beyond the one progran - add on new ideas in future, deveiop market. and eell new idean without reselling old ideas. Market cost are huld down, copy pirating ainiwized with programer-user communication.

REVIEWB: "TiMachine", also out of NovelSolt, is a bastc to machine code complier I promiee to review beyond the initial comments I had time for two newsietter ago. Tim has not sloved down for me. The newsletter takes so much of my spare time, for to to figure out how to use a piece of softuare, use it and then wite about it, 1 would be aeveral weeks behind in getting our newsletter out anywhere near on time. I copled the "Paint" program, modified it somewhat in the hopes of putting it thru the Timachine. Then 1 pead the can and cannot do part of the documentation "ON GRR" statements are NOT cupported, and Paint's author Mike Rhees uses it quite a bit. So back to the "drawing" board. Qut rimachine is one way to go if you want to get into MC with littie or no eveat"

NEW: "EMART-TEXT", by 8ill Jones, Guif Micro Electronics, 1317 Stratford Ave, Panama City, FL 32404. Cost 339.95 and avallabl on cassette, 32 col. and 0864 Versions, the Aerco and Oliger Disc drive, A\&J Micro Orive, and the Temman, merco, Oliger and AkJ printer If supported, specify version. This software reviewed in the Nov/Dec '66 Lime leations Macaine. TDM gets better and better as time goes by, if you enjoy your Binclair machine, you'll enjoy Time Designs, for only $\$ 15$ a year/ 6 issues. Write to TDM, 29722 Mult Rd. Colton, DR 97017 Tel :503-824-2658

NEMBI SCLD every 2069 gotta have one- if yours goet then wat ?
The folks at the Capital Area TB Uners Group (CAT8) PO Box 725, Bladeneteurgy Md 207 F 0 brought a whole bunch from Timex Portugal. and for 20 each vill sell you one. bisconets for larger or group purchases. Wite for oetalle.

NEMB:-"Radio Computing Digent (RCD)". is devoted to low-cost, IIconme-tret, wroleat computer comminications. Pubilic Digitel Radio service (PDRs) coveraget and more. PDRs baud rate in excets of one million bpe. RCD will whow you how to eet up aigital Redio gtation, Bees and LANs. Both local and lomg distance linky possible without Ma Betl. For a copy of the promier iseut of RCD mend thre dollars tot R.L. Christemsen, Box 916, Oroville, MA 96944.

Wimbr-and mmual Timex ginclatr Compurterient"-for detalis on this EVENT of the TB yeur! Hifte to Frank Davis, 813 East Main St. "Paru IN 46970-sending a sage probably wont hurt his foeling any. Any gIMCUS people planning on attending let meknow, maye we cen all aeet at on location- as mont of us havent meet-YET!

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CLONE - - -CLONE- - - CLONE - - - CLONE - - - -CLONE- - - -CLONE- -
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Over e yoar after the release of CLDE to the public. we have recelved very feu complatnts regarding the operation of CLowE. Either a wole lot of people gave up and didn't believe we would try to help out eny purchaser of CLOME, or there weren't any problams. one complaint was the Cloved progras wouldn't load, and all the uaser got whe the Tape Error Report. It was determined that it it was 400 low a recorder level. Dther recorders wert tried and muccess! Not all recorders are created equal. And some mor out after several hundred hours of use. The wecond problew, was the user couldn't get the clove to transier to disc or micro drive. It has MEver bem advertieed as ouch. It takee harduare and software-set MNI witch-to do that. CLONE has always been edvertised as ape back up utility. The Header Reader function, given you the data necessary to make the euitch from tept to drive. I use my copy of Clone to copy tape suaps for members and from other groups. LOAD CLONE in the 2088, put the blank tape in one recorder and the program tape in the other: ${ }^{\circ} \mathrm{o}$ to Lat Remort option, turn on both recorders and let it go. with multi-jacks on the plugs a couple recordings can be sade at the mame time. For your copy of CLONE, send t6, to 'BINCLS', 1229 Rhodes Rd., Jolmaon City MY 13790. Pontpaid.

Hi and wicome to now mamber Don Lambert, Cedar Rapids, IA, he witel looking for Help for - 2X80 that has loome wires, cut traces and gives garbage on the screen, he needs a $2 \times 80$ echematic, photos or drawings so he cmn tell that he's got. Ho has the Operatimg amual. and was told it has both the 4K and GK Ram. Also on the outlook for inmtructions for the manotech High Remolution Graphics module. Any help would be welcomed- I'lt farmard any and all help to Don at recelved. Thanks.


5inctair $2 \times-79$ prototupe 1978

Frow our reliable nowe nource in East Livermoreshirchampton, England photo of then Mr. Clive Binclair and several prototypen of his futur inventions. Mote his digital watch on his urist from his oarlier watch kit days. While the photo is deted 1979, ther is the fore runner of Flat Screen TV in the background, a working model of the 2X79 with a plug in. SK RAM pack in the fort. The epimier-bounie hat is a wind to de pouer pack for the electic power skutes (forerumer of the electric car) ellates on Clivet feet not in photo. The reation for his hand over his face is to prove hands in screen are not his, and the $2 \times 79$ works!!! U of course were not aware of many of cilve's earilest efforts but wo do appreciate them!

VIevis Juat got a postcard froe a user tho heurd of us, wats asmurances that we wowt dieappear in the night, and a froe sumple to help male 4 his mind. 1 can underntent auat of what this ouy must think, but sometines I with he and all others could roblize that there are no guarantexe in Life, so how can 1 give hie one? And does the monoy wo pay for utampe or paper grow on trees up here?? I haven't seen any. I suppogese simce ones in mbile we get montion in national priblicatient, wo ouphta expect it, but wigeona have to raice cues to cover the frocbies, maybe not this year but maye soom. As for asmurances or gumantery, it we do have to pull the plug, ill members uill be refunded any monies due, leas the cost of refunding, it stamps, o.0." and envelope etc. I hope we ane here next your and for vears to come, but wowd same feedback from all of you reading this.
-By Wea Brzozoweki
From tim to time, I get reader feedback, mort information, or notice something I'we aimed mentioning in previous article. It's worth coliecting wuch tidthta and presenting them as group, as I'Il do now.

## -sINCUS LIEHT PEN- <br> (SINCU8 NEWS Sep/Oct 1986)

I suggented the poesibility of trying . Radio Shack ghototranaistor in this project. and requented that thoe trying it tell mow it works. Eduard Radtke, of Loulsville; KY has tried it. (part 276-145) and it work fint. Thanks loads, Edward!!

> -CAN WE TALKKT-
> (SINCUS NEWS Nov/Dac 1996)
> On Communicating Computer""

I neglected to mantion that certain wirev in an 232 link sometimes need to be mapped, in order to get thing working. Some Rg-232 porty are configured at Date Commenication Equipment, and some Dute Torminal Equipment (DCE and DTE). The main difference is that the wirez at some pim may need to be mwpoedr so that both devices don't try to "talk" on the sume wrep causing conflict. and "listen" on the mame wire, where no one is trying to telk. Since the Async card use in my PC can be jumped to do either. I was able to use " straight through" cable. Depending on the particular Rs-232 parts you may use, you might instead have to map the TX OATh and RX DATh Ifines, and swap CT8 and DTR. Be sure to swap the wirts at one cormector oniyl if you do it at both, you vill "unswap" the fix you jugt eade!!

## -TBzOE日 RGM DIEASEEMBL Y -

( Started last lesue and continuing in thi issue)
Starting in this ismut, my listing will cover som of the solly uses of the Floating Point Calculator; "econd language" that lien hidden in the Rom. Bince the calculator commands ar. FORTH-like in their use. I've used the equivalent words and symbols in the comment colum that you would use if you were witing similiar progratio in the F口RTH langumge. If you want to learn more about the calculator, there art several wources. If mour user group library poes back far mough, you might check some old istuen of gy. ( in it's second year. I think) for a series of articiet on the flowting point calculatior in the $2 x-81$ ( TS-1000). Thest are Iargely applicable to us. Aleo, I believe that $m$ article in the whort-lived IMFX-BINCHAlR LSER told about it. The article's titie mid something about FORTH, but the wuthor mpoke montiy about how the Flouting Point Calculator works.

I-Ed notesi gax. Jul/tug 19a2, "Underistanding Fioating point Arithmetle", Part 3, pag* 43, by Or. Ian $\mathrm{S}_{\mathrm{c}}$ Logan, 24, Mursel Lane, gkeliingthorpe Lincion, LNS 0TY, U.K. -parts i.2 in tarlitr ismese. ( Other details of the roatine in this article can be foou in manclair 2X-Bi kont Dinammmbly, Part B", Helboarne House, 1902, by Drs, Ian logan and frank o'Mara.)

TIMEX-8INELAKR USER Vol 1se4, page 42, "Betting FTRTH", by Bill Payne. Author raconnands in addition to above cogen book, Ilso Part $A_{0}$. of the same titie. Also "Starting FURTH" by Leo brodie, frentice-Mall, 1981 and FORTH Encyciopdele by Witch oerick and Cinde Beker, Moentin Uien Press, 1992.1

However, the best source may be found in a 5 part serices in $2 x$-cnyymina (a Brtish magazin. . Starking with the July 1gac lesua. Toni Baker has betn prementing discourse on the Spectrum calculator, wich is directly applicabie to us. 2x-cripimins will take a VIBA or Mastercard number for subscriptions ( wo you dontt hav to worry sbout exchanging your dollars for Sterling). They wll al so etart your eubscription with oeck issuex if you request it, so you get the entire weriez on the calcuiator. Urite the at INFONET LTD, Times House, 179 The Marlowes, Hewel Hempytead, Herts. HPI IBB, England.




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| 059 | $t$ | HET |  |  |

;Only after all "follom wip brtes ara in, do we mil an here, Ithrough the current chmanel output

| 059E | 110 |
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| 0531 | 14 |
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IN_RM - Lower scrm
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iff lat of serevis, wiat errer asy
foet address af first character byte.
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 telecomunteat tons. It's hard to find nords to descrithe the manith of information, exper.
fance and free soft wers out there iof ing to he tapped. for example, have you ever spent
il se the colyed it a year previlaus? if only you dd known of Ithe electronic forum can act as "Pound Tablea for the $2 x /$ TS/Q. community. As omers If you toke tho thene to read and understand thi information in this document, you make some plie trangiorst and do whatever alse the gystem offors. Wou will be sife in
 (Incidentally, recent rot fon plctur es not wit hastanding, there is no noy you or anyone el se cven tifed to standard phone I ines.)
 1) "It's just a bunch of kidst". Whli, it's true that there are a larne percentage
 cloose two or tirree barls to cell. the odds are good you may find young peopie purguing that category. In ant efty of tive United states you can ifid intelligent exchange if you
are willing to look for 1 . And evtn those "kidst may turn out to know three thees more
 out of the box and hook le op, 代may not be totally ofulous hom it all works. Even pert of the fun of it. Lut no radays there are some good gultees and manuals to to with the softiare and harinare availiabie. It is partiy to address thisconfuston that this guide most softwre, it's not gonm work. For those worktag nith MTEM 11, we strongly racom-
 works wonders. It mould make an excellent demo for a User Group Meetimg. then go straight to © Long Distance call and, not being Pamfilar with ofther the todem or the softiare aake an error and get upset stnce they spent money on the call for apparentthe test Moys tol earn a bout your system is to call the local toards. Check with menters of 3) "It's too expensivel". It's true that Long Oistance call ing is not cheap. Aut there are e variety of nas ervice such as spifili or Will. This wil save you money right off the bit and costs nothing to bedin the service. The next bifg hroak wive gotten resive yse of this service, ini iet him descrite it: (as ispint company) that allows economical lomy distance MaTh MMy tel ecommifcat fons. Unl mited off peak hours use of call to 14 en only costs 82.50 month y, from pract ically anymers un the wod. Jounote access. This includes direct links with other computer users accessing data hases or
 insiderfng the price of triditional long distance services. I think that NC Mur su it is - beradin. You can get addit tonsl infor on M. Pusult by calling their 800 monhors (cee

[^0] The neat big treak for us long Distance Telecommaicators mas. Ween the avalia bil ity Pherfice it to soy thet and hardiare. These are covered extensively in this manual hut



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<<M O E M
by Somn Colonna, SINCUS
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## NEN BOOK AVAILABLE FOR T/S MODEN UGERS

Timex/Sinclair specific modem user" now have their om "bible." "The Euidt to $T / 8$ relecommunications" "dited. by Pete Fiecher and Steve Ishii, is now dvailsble to all $T / B$ modem-maniacs. This 52 page manull le the "everything you've ever uanted to know" about the world of Timex/Sinclair/OL tele- communications. Although this text is Eupposedly witten by 'T/8 Users,' it comes tbout through the compiling offorte of Pete Fischer Dhomix potel and steve lahil (hnown to many Cowpuserve asers). These two Tf8 users have spent great detel of time money, and ffort eccessing 'boarde' all acroxis the country in an fflort to bring us weat th of information about T/S/RL telecommunicetions. The "emurgonce of Timex modewing has picently been mpurted on by the development of xmodem protocol. inexpensiv modew cepability. 1200 B.P. S. capabilityp and $T / 8$ specific bourd softwer. And thit book ties it ali together"

A mititude of topics are covern (see leble of Cantencs listing that folloms).
Descriptions of Tidet and Timer supported boards ar followed by practical suggestions on now to wite ofiective messages, manapuiate the buffer, mecess the files, interprat file names (with examplet frow any bourdsif and description of RLE graphics. The 'center fold' is a quick view mini guide to li elghteen boards with information about phone numbers. BPS rates, dowionds, ote. (See the Hov. 10 ec . 1986 issat of SINCUS WENS.) Ther. Is even E etection on "How To Start Your On T/S Sub Board.' A complete ilsting of the sible of content: for 'ows.

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*=j| this 15wcu peges 11 and 12
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Introduction
The Boarde
The Capture Dutier orotocol
hoving Around In CP/M Hor To Upload - ranal Boftware

How To Start Your Owm $1 / 8$ Sub-board
Short Code Routines And PDKE
tardwar modi licetions And Add Ons
"ormer T/S BBS' i Sub-bciards
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The Big Pictur * Meesage Bases Dowlloading and Uplonding Hhere Are The Files
Figure (Big Chart of Boards)
RLE Braphic:
Available BBS Eoftware

How To Download
Interpreting Filenames
The Modems *
BES Software In CP/M
Main Menus Frow All Board Addresses *
Paying on The Pay Bystem References Cited

The best news. that this 50 - Dage book is avallable to Tiwex/Sinclair/a. users for miv 2,00 . And the kindly tuthors have pleced it in the public domain. All T/S User白 soups are urgeo to p'ace at least one copy in thear librayy to make it avallable to their nember ship. The first edition is hardly oft the prewses and a deluxi' edition is slanned. The delux eastiom wif make evaliabs all the info in the firgt edition plus wor boards cover and in full type size print in $81 / 2^{\prime \prime} \times$ i 1 " 100 se leaf motebook "ormat. It vill also contain listinge of ill the dounioade currently evailable from all soards. selected help illes, Information on interfitional tefecommunication, plus more. ims deluxe edition will comt \$5.00 and again be placed in the public domain. To order * the udition contect ditore:

| Pete Fischer |  |  | Steve Ishil |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| P.O. BO | 2002 |  | 18414 De: | al eve Avenus |  |
| Temot. | Arizona | 65281 | Cerfitos. | Colifornia | 90701 |

Thanks John. This artici we witten, uplonded to TUBes BRS and domionded via the 2050
 getting the articl pomeitit. The article is still on tin Timex Directory, under flle mam-TEcuIDRU. TXT Try donnioading it yourself for practice. Bee next page for how to' e.

# The REAL BE日inner＊Guide to Modemimg on a TEZOE日 <br> Lesson 2 Betting on a BRs by P．Hill，RBMU＊ 

A step by step road map of how to get your computer in sync with thousands of other T8 users．
1．Bet a modet（a 2050 type is used by this witer and so will be the only one 1 an talking about）
2．Get Merm II softwar．
3．Get Loader V from Kurt Casby（ see address page 12）
4．Modily as per instructions Loader V．READ the documentation．Set up on on or two local BB8 for wich you already know the telecommmication parameters，like $\mathrm{a}, \mathrm{N}, 1$ or whatever．Use voice number $\mathrm{S}_{\text {g }}$ of SYSOPS（the guy who run the BRS）or contact a modem user for such date．99\％of modew users are alway ready to melp．
5．a）LOAD in the working copy of Loader $V$
b）Select item 2 on the MAIN MEMJ，＇the Daling Memu＇．
＜COMNECT THE PHDNE）
7．a）Select the letter of your choice and 〈ENTER〉．Your softuare is an auto repeat dialer and will keep trying until a connection is made．BREAK Will get you back to MAIN VEMU．
b）If you have the wrong number or wrong time of day（many BBS do not operate 24 hour a day），any answering phone，causes the modem to buzz a connect signal，the Lowder $V$ switches to Mter．II，and you 〈ENTER〉 TWO times，message； ＂Connection Lost＂will greet you．Double check your times and mumbers！
c） 11 you have the right number and the B8s answers，the modem will buzz a connect signal，the Loader V switches to Mterm II，and you＜ENTER）TWD times，and now you are in the TERMINAL Mode．
8．a）On TUBBS the BBS ldentifies itself，then aske if you want color graphics （C／Rano）［C／R is Carriage Return on many other typen of computers，use 〈ENTER＞ on the good ole 2068．J
b）Lon on procedures rarely hurt，on TUBBS and many others you will be asked for your name and city of retidence．Use your real name，someday you may forget your ＇hande＇and then you＇ll look pretty fumy．You will be asked for a PABSMDRD． You make it upi do it ahead of time．Usually 10 characters is the maximum，but 5 is fine for me．Write it dom，becmuse if you forget，well．．．
c）After lon on，it＇s the samething everytime you use the B8s，only next time you＇ll be on file，vill come the maifbag．If you leave measages（nSB），perhape next time there will be mail for you．If you have a 2040 printer，you can ecrean print any time just CONTROL（舞 and CAPS SHIFT）gets you the menu across the bottom of your screen．P for Printer，and you have the screen printed out．
d）A better method of saving data frow the BBS is to CONTRL．B，M for Menu，D for Buffer Mons，$E$ to Erase Buifer，B to open Buffer（if CLOSED），〈ENTER，back to terminal mode（2 times）．Now all up to 27 K of data $u l l$ be retained in the buffer．
－）Bo through the different memus，H will usually bring back a Main Mem．$R$ usually gets into Reading mall．After 15 minutes，or so， 6 for Goodbye．Dont just pull the uire out or shut off the computer，the BBS may not know you hung ups and this may delay others from using the B8S．
f）You can save the buffer data；CDNTRCL B，$M$ for Menu，look for BUTUSD，to see how many byte art to be saved．E to exit to BASIC．Ready a tape，sAVE＂name＂CODE 26710，\＃f bytes．Run it through Unloader，enter to mecript or Tasword for printout．You dont have to do all this for wat you saved，but it is good practice for the next lemson．
9．Once you ERASE the Buffer is in step Bd，the BABIC part of your program in also ERASEd．You must TELGAD if you want to use again．
＊RBMuFReal Beginner Modew User
Lesson One has not been figured out yet．．

# The REAL Etgimmer＇Buide to Modemima on tasoge Lesson 3 Dowloading Text files from BBS by P．Hill，Rerux 

A step by step road map of how to get your computer in nync with thousands of other Ts user．


After getting on BBEs with the help of Lemen Two，you are now ready for lesson 3，the above data gives you en idea of the tops you munt go through．
＝NDTE：Below in the instructions，ar，befort and after letters or worde to be EMTERed
－D0 wor include＂or＜or＞unl bse the Bes you are on reguires it．
1．a）USE the Menu to locate Files；and Filf names．Tuxt IIles sometimen end in．TXT，or ．DOC，usually ther is a In of data to help you que win wht might be in the file，if Xmodem was used liength．
b）On TUBES it is FJile Directories－IF＇＜ENTER and then you get a listimg of the different fill Directories．TMEX is under 6 on TuDss．
c）Write ot printout titles EXACTLY as shown．
d）＇D；EXACTNHE．TXT 〈ENTER〉－you will be told ther is no file under that nave because you misepelled ity or you got it！Bet ready to recelve file，you got 40 seconde tor
2．a）CONTROL 8 （CAPS BHIFT \＆8）getis you the Mall at the bottow of the scrent then im for MAIN MENU，＇D＇ett you to the Buffer Memu．
b）＇E＇eraser Buffer．
c）＇$X$＇toggles Colvarsion to MONE．
d）〈ENTER＞back to MAIN MENJ．
e）＇E＇exits to BASIC．
1）PRINT USR 24415 《ENTER〉 sit back and don＇t touch anything．Little t＇s will soon start walking acrosen the mereen．Any－＇s，indicate an urror，and it will try 10 times to get an error free lomd．
g）then done，TERWIMAL Hode will return．＂G＂Goodby＂，and hangup．
3．a）Now to get the data from the buffer to tape，CowTROL．B，$M$ for menu，and you can see the BUFUSD，copy the nuwber（byte to be saved）．
b）＇E＇to exit to BASIC．
c）Put on a tape to alve to．gave name＂CODE 26710，bytew from step 20，＜ENTER〉
4．After SAvEing buffer datan LOAD＂Unionder＂into 2068．LDAD mname＂data file from tape． until＂done＂．
5．SAVE to tape under fil nase you deslre．
B．LOAD MScript or Twoword into 2068，LDAD your converted buffer date filt into your word processor．
7．Printout or save ze you wish．
＊RBMURReal Beginner Modein User
Lesson One haw not been ligured out yet．

Nows, New, View and Revinwe. Late Newt Arrivals
NEWS: From the newsletter of the Indiana SinclairmTimex Userm Group, hoste of the 2nd Annual Midwest Timex-Sinclair Computer fest. (2ndAMTSC)

WHEN ? MAY 2nd \% 3rd - Saturday \& Sunday
WHERE ? LOCATION: Holiday Inn-North. Indi maoplis, Indiana 46268 Telal 317-972-9790 or 1-800~HOLIDAY for reservations. CDST-mpecial llat rate of 32 for room, regardless of the number of peopit in the party. You MusT mention you are attonding the Midwent Timex-Sinclair Computerfest.

WHAT EOES? Friday May 1 at Epw a apecia! Bamques for IndAMTB workere. Invites to volunteer workers, worker, for user groups with tible, or to Vendors displaying at the Fest. There is a eeperate charge for the banguet.

Saturday, May 2nd at 9an. doors to the FEST open until 6pm. Seminar and Lectures schedule will run from 10am until Spm.

Sunday, May 3rd at 9am, doors open and remain open until 5pw. Lectures and seminars will run from ioaw until 4pow.
On both days, a seperate area will be mintained for a swapffiea market. Please no copyrighted material, no pirating, and non-vendors oniy. No charge for this, but it is asked that no one hog the area.

HOW MMCH? Admission cost is: PRE-Register befor. March 301987 is 44 per individual, or © 7 per family.
Regieter after March 30, 1987 the price is 46 for an individual, $\$ 9$ per fanily (at door price almo).
Make checks payable to Midwest Timex-Sinclair Computer Fest". WR1TE legibly-use z typewriter or printer! Hhew uriting, tell us how many to expect in a family group, and if you vish a pre-registration confirmed, then enclose a SASE. Send your check to Midwest Timex-Sinclair Computer Fest; c/o Frank Davis, 513 East Main Street, Peru IN 46970

DTHER NOTES: CAB FARE from alrport ia t13 to \$15. Holiday Inn hat free traneport to Airport, cill thew on arrival.
OTHER INNS: Dillon Inn 1-600-283-7305, 317-875-7676
Dollar Inn $1-317-672-0500$
Drury Inn 1 - $800-325-8300,317-976-9777$
Red Roof Inn 1-800-848-7878, 317-872-3030
Signature Inn $\quad 1-800-822-5252,317-875-5656$
Enbessy Suites $\quad 1-900-362-2779$; 317-872-7700
Leave essage for Frank Davis on 1STU6 BBS at 1-317-899-3903
if you have more questions.
MORE NEWS: Hold on to your hats with thi one; frow Frank. Davis, ISTUG, from Tom Bent, Tom will be offering through rom Noods, Non-volatil. RAM cariridge in kit form for about \$40. Initially it will be for 64K, but with piggybacking, you could have up to 126K NV RAM.

STILL MORE NEWS: From 1STUG, good source of support for $7 \times 81$ and TS1000 is ARCTAN COMPUTER VENTIRES, I Foxweif Square. Southlields, Northhampton, NH3 SAT-write for pricen, send a international reply coupon-only good reports on service.

WRAP UP Thanks to John and Hes, the info from ISTUG, TDM, and others thim filted more pages than I figure-mizbe I should reduced the type next time; hmmin 1 wonder. Best to all of you in 1987, it looks Iike great year already, and I haven't seen the new W4 yet! PH


```
    11 CLEHF 29OGO
    1S DEF FN F 
    (X+1): LET F=%काE
    EDFOR =1 TO 1S: FEAD a: FOKE
-9999+i z: NEXT i
```



```
    75,EE,205 EG, E1E,195,40,117
    40 FRTNT FNDEEE I;":
OE FM#luser* "; INUEREE
0
    50 FFINT : NHNE",TAE 1D, LERG
    255,0
```



```
    PrESE EMY N& : PHUSE O
    E5 FRINT #INT 1.0.
    70 FANDOMTZE USN SWQQD
    75 LET nt:
    8D LET HPE=FEEK,P: LET L=FN F
    F+11} FOR =T+1 TOP+10: LET M
$=T4+CHR& FEEH : NEXT i
    90 LET | =STRE !: LET & & ='
```




```
    110 IF typESS HEN PRINT "FEad
#rcor:3 80 TO 7,
    10% IF TYOE Y THEN GO TO 17%
    L| LET S=F|P:p+13
    150 IF S=LBGO4 ANO I=E192 THEN
DFTNT "GCFEENH :% EOTO 17G
    IEW FRINT "OOE ST: :%S: EQ TO
70
    170 IF UFE=0 THEN EO TO PWM
    100 EET S=FEES (P+14): LET *=IN
```





```
    0 (p+15)
```



```
F
EQg print EOTU TD
```



Thanks to Bill Pierson, PO Box 2011, APO ty 09069, for "Tape Analyser" works in spectrum mode, but will read tapes from 2068 or Epectrue. Handy for tape lbrarites to lind just what is on that * minut* tape.


* Sinclair Computer Users Society *
* est. 1982 *

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[^0]:    

